

What is Claimed is:

1. An electrochemical cell, comprising:

an anode comprising a salt;

a cathode insulated from the anode; and

a non-aqueous electrolyte in contact with the anode and comprising an

5 organic solvent that comprises at least approximately one percent by volume trimethylene carbonate.

2. The electrochemical cell of claim 1, wherein the organic solvent comprises greater than approximately thirty-five percent by volume trimethylene carbonate.

3. The electrochemical cell of claim 1, wherein the organic solvent further comprises dimethyl carbonate having a volume percentage that is in the range of between approximately 99% and approximately 1%.

4. The electrochemical cell of claim 3, wherein the organic solvent comprises a volume ratio of 1:1 trimethylene carbonate and dimethyl carbonate.

5. The electrochemical cell of claim 3, wherein the organic solvent comprises a volume percent of fifty percent trimethylene carbonate and fifty percent dimethyl carbonate.

6. The electrochemical cell of claim 1, wherein the organic solvent further comprises at least one material selected from the group consisting of ethylene carbonate, propylene carbonate, dimethyl carbonate, diethyl carbonate and ethyl methyl carbonate.

7. The electrochemical cell of claim 1, wherein the salt comprises at least one material from the group consisting of LiPF<sub>6</sub>, LiAsF<sub>6</sub>, LiClO<sub>4</sub>, LiC(SO<sub>2</sub>CF<sub>3</sub>)<sub>3</sub>, lithium triflates, lithium imides, and lithium methides.